

MICROPHONE FOR SIMULTANEOUS NOISE SENSING AND SPEECH PICKUP

Abstract of the Invention

The invention provides a microphone for the simultaneous pickup of both ambient background noise and speech in vehicles such as automobiles, aircraft, and marine vessels. The apparatus provides a plurality of cartridges that simultaneously exhibit frequency and polar response characteristics tailored to noise and speech, respectively. In an embodiment of the invention, a single housing contains both a directional microphone and an omni-directional microphone for use in an automobile. In an alternative embodiment, a microphone array having both directional and omni-directional outputs are derived from microphones contained in a single enclosure.